



# CALIFORNIA- GERMANY

*BILATERAL ENERGY CONFERENCE*



**#CAGermany**

September 11, 2018 | San Francisco, California



**Thomas Bareiß**

Parliamentary State Secretary, German Federal Ministry for Economic Affairs and Energy (BMWi)

“The energy transition provides a whole range of fresh opportunities - for the development of new business ideas and start-ups, the provision of digital services, not to mention major possibilities for the industrial sector. Good bilateral relations, like we have with California, will help us to exchange best practices, solutions and ideas. That ought to be a good recipe for moving forward faster, more cheaply and more efficiently towards ensuring we have a sustainable, reliable and affordable energy system that is fit for the future.”



**Mary D. Nichols**

Chair, California Air Resources Board

“California is proud of our partnership with Germany as global leaders that are taking real actions to address climate change. We are demonstrating how states and countries can steadily drive down greenhouse gas emissions, cut pollution, and grow our economies. The collaboration and engagement we share embodies the type of climate action leadership needed across the globe.”



### **Michael Picker**

President, California Public Utilities Commission

“California and Germany have each found innovative ways of cutting greenhouse gas emissions that can be instructive to other states and nations.”



### **Robert Weisenmiller**

Chair, California Energy Commission

“California and Germany have had a longstanding relationship of knowledge sharing amongst two regions that are early adopters of clean technologies. This conference solidifies the continued partnership to pledge our two economic powerhouses to innovate cleantech policies to respond to the realities of our changing climate.”

If you have questions during a panel, please email [info@cgbec.info](mailto:info@cgbec.info) with your question, and include the name of the panel in the subject line.

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## Check-In and Refreshments - 12 p.m.

## Welcoming Remarks - 1 p.m.

*Drew Bohan*, Executive Director, California Energy Commission

## Opening Remarks - 1:05 p.m.

*Thomas Bareiß*, Parliamentary State Secretary at the Federal Ministry for Economic Affairs and Energy, Germany, BMWi

## A Climate Neutral Energy Sector: Utopian Vision or Achievable Goal - 1:20 p.m.

Climate neutrality is achievable in the energy sector thanks to technological progress and cost reductions in renewables, the increased experience with energy efficiency, and the potentials of digitalization. These speeches outline the challenges and opportunities in achieving climate neutrality in the energy sector.

*Michael Picker*, President, California Public Utilities Commission

*Professor Dr. Miranda Schreurs*, Chair of Environmental and Climate Policy, Technical University of Munich

## How Climate Change Affects California's Energy System - 1:45 p.m.

California is dealing with the impacts of climate change, including increased fires, droughts, and heat waves. Climate change affects how the state's energy systems operate and future plans. This session will discuss the research and strategies needed to protect communities, infrastructure, services, and the natural environment.

*Robert B. Weisenmiller*, Chair, California Energy Commission

## Power Sector Transition: Achievements, Challenges, and Vision - 2:00 p.m.

Germany and California demonstrate how climate change goals and the rapid deployment of renewables can go hand in hand with economic leadership and prosperity. This session is an opportunity to discuss experiences and challenges to help develop a shared vision for a carbon neutral power sector.

**Moderator:** *Michael Schäfer*, Director of Climate and Energy, WWF Germany

### Panelists:

*Sonia Aggarwal*, Vice President, Energy Innovation

*Caroline Choi*, Senior Vice President of Regulatory Affairs, Southern California Edison

*Dr. Simone Peter*, President, German Renewable Energy Federation

*Andreas Kuhlmann*, CEO, dena (German Energy Agency)

## Break

### Decarbonizing Energy Use in the Transportation Sector - 3:40 p.m.

Decarbonizing passenger and freight transportation is critical to achieving climate change goals, improving air quality, and reducing health impacts, especially in disadvantaged communities. The keynote will provide an overview on visions, options, and barriers for decarbonizing energy use in the transportation sector. The panelists will discuss the challenges involved, including how electrification impacts the power sector.

**Keynote:** *Drew Kodjak*, Executive Director, The International Council on Clean Transportation

**Moderator:** *Janea A. Scott*, Commissioner, California Energy Commission

**Panelists:**

*Christian Hochfeld*, Executive Director, Agora Verkehrswende

*Susan Bransen*, Executive Director, California Transportation Commission

*Dr. Carla J. Peterman*, Commissioner, California Public Utilities Commission

*Andreas Klugescheid*, Head of Steering Government, External Affairs, and Sustainability Communications, BMW Group

*Ryan Popple*, President and CEO, Proterra

### Closing Keynote - 5:00 p.m.

*Mary D. Nichols*, Chair, California Air Resources Board

### Closing Remarks - 5:15 p.m.

*Robert B. Weisenmiller*, Chair, California Energy Commission

*Dr. Martin Schöpe*, Head of Division, International Cooperation on Energy, BMWi

### Finger Foods, Refreshments, and Networking - 5:30 to 6:30 p.m.

With some words by special guests *Bertrand Piccard*, Inspioneer and Solar Pilot, and *Amory Lovins*, Co-Founder, Rocky Mountain Institute on "How Big is the Energy Efficiency Resource"



### **Sonia Aggarwal**

#### **Vice President, Energy Innovation**

Aggarwal leads Energy Innovation's work on power sector transformation and energy policy solutions. She spearheaded the creation of America's Power Plan. Before joining Energy Innovation, Aggarwal managed global research at ClimateWorks Foundation, worked on the McKinsey carbon abatement cost curves, advised the International Energy Agency's "Accelerating Technology Transitions" project, advised clean energy companies on technology and financial communications, and worked in accident prevention design engineering at a nuclear power plant.



### **Thomas Bareiß**

#### **Parliamentary State Secretary, Germany Federal Ministry for Economic Affairs and Energy (BMWi)**

Bareiß acts as a political representative of the Federal Minister, in particular vis-à-vis the Bundestag and the parliamentary groups. As the Federal Government Commissioner for Tourism, he initiates, coordinates and guides initiatives and programs to provide for optimal conditions for the German tourism industry and to strengthen the attractiveness of Germany as a travel destination.



### **Drew Bohan**

#### **Executive Director, California Energy Commission**

Bohan has served Californians for more than 20 years, including his current role overseeing the state's primary energy policy and planning agency. His public service includes leadership roles with the Energy Commission, California Environmental Protection Agency, the Ocean Protection Council, and the California Department of Conservation. Bohan also served as the executive director of Santa Barbara Channelkeeper, chief counsel to the House of Delegates in the Republic of Palau, and a litigation attorney at Heller Ehrman in San Francisco.



### **Susan Bransen**

#### **Executive Director, California Transportation Commission**

Bransen has a major role in the policies and actions adopted by the Commission including the programming and allocation of several billion dollars annually for constructing highway, passenger rail, transit, and active transportation improvements in California. Her career spans more than 25 years in transportation, including serving as chief deputy director for the Commission. She also was the director of audits and investigations for the California Department of Transportation.



### **Caroline Choi**

**Senior Vice President of Regulatory Affairs, Southern California Edison (SCE)**

Choi is responsible for SCE's regulatory strategy and policy at the national and state levels. Choi previously served as the company's vice president of energy and environmental policy. Before joining SCE, Choi was executive director of environmental services and strategy at Progress Energy. Choi is active in national policy and community engagement, serving as board chair of the Smart Electric Power Alliance and the boards of the Asian Pacific Islander American Scholarship Fund and the National Forest Foundation.



### **Christian Hochfeld**

**Executive Director, Agora Verkehrswende**

Before being appointed to Agora Verkehrswende in 2016, Hochfeld was the head of the program for sustainable transportation in China at the German Society for International Cooperation. He worked for Oeko-Institut, a German environmental organization, as a research associate and later as and as a member of the institute's executive management. He has been a member of the advisory board of the Chinese Electric Vehicle Forum (China EV100) since 2015.



### **Andreas Klugescheid**

**Head of Steering Government, External Affairs and Sustainability Communications, BMW Group**

Klugescheid has held numerous positions with BMW Group, including head of clean energy communication, spokesman for governmental affairs, and Western Region corporate communication manager. He headed the BMW Group Representative Office in Sacramento, where he managed the company's policy work around environmental, mobility and sustainability. He was also responsible for the company's participation in United Nations conferences including the Johannesburg World Summit on Sustainable Development and the UN Climate Conferences COP 14 through 16.



### **Drew Kodjak**

**Executive Director, The International Council on Clean Transportation (ICTT)**

Kodjak, who is an environmental attorney, founded ICTT to support governments in the top vehicle markets develop policies to improve the environmental performance and energy efficiency of all modes of vehicles and fuels. He has served as attorney-advisor for the U.S. Environmental Protection Agency. Kodjak has held number of positions with nonprofit organizations including the Bipartisan Policy Center and the Northeast States for Coordinated Air Use Management.



**Andreas Kuhlmann**

**CEO, dena (Germany Energy Agency)**

Kuhlmann was appointed dena's chief executive in 2015. He started his career at the Institute of Environmental Physics at Ruprecht-Karls University in Heidelberg. This was followed by political posts, including the European Parliament, the Social Democratic Party of Germany, the Bundestag, the Federal Ministry of Labour and Social Affairs, and the German Embassy in Stockholm. He also worked for the German Association of Energy and Water Industries.



**Amory Lovins**

**Co-Founder, Rocky Mountain Institute**

Lovins is Co-Founder and Chief Scientist of the Rocky Mountain Institute. He has served as an energy advisor to major firms and governments in more than 65 countries for more than 40 years. He is the author of 31 books and 600 papers. Lovins is an integrative designer of superefficient buildings, factories, and vehicles. Time named Lovins as one of the world's 100 most influential people, while Foreign Policy named him one of the top global thinkers.



**Mary D. Nichols**

**Chair, California Air Resources Board (CARB)**

Nichols has served as chair of the CARB since 2007, a position she also held from 1979 to 1983. Nichols has devoted her entire career in public and nonprofit service to advocating for the environment and public health. She has served as assistant administrator for the U.S. Environmental Protection Agency's Air and Radiation program under President Clinton, secretary of the California Natural Resources Agency, and director of the Institute of the Environment at the University of California at Los Angeles.



**Dr. Simone Peter**

**President, German Renewable Energy Federation (Bundesverband Erneuerbare Energie e.V.)**

Peter is an expert on climate and energy policy, sustainable development and the green economy. Before being elected to head the federation in 2018, Peter was chairwoman of the German Green party (Bündnis 90/Die Grünen) for five years. She was minister for the environment, energy and transportation of the state of Saarland. Peter worked for Eurosolar and the German Renewable Energies Agency before going into politics.



### **Dr. Carla J. Peterman**

#### **Commissioner, California Public Utilities Commission (CPUC)**

Peterman is the assigned commissioner at the CPUC to a number of energy, communications, and water proceedings including energy efficiency, alternative transportation, energy storage, and PCIA reform. Her key interest areas include decarbonization policy, energy markets, and technology adoption. She also served as a commissioner with the Energy Commission, where she was lead commissioner for renewables, transportation, natural gas, and the 2012 Integrated Energy Policy Report.



### **Bertrand Piccard**

#### **Chairman, Solar Impulse Foundation**

Piccard is an explorer who co-piloted the first solar-powered flight around the world and was the first to circle the globe nonstop in a hot-air balloon. He comes from a family of explorers and scientists. The foundation's goal is to challenge businesses around the world to find at least 1,000 economically profitable solutions to protect the environment. With his dual identity as a medical doctor and a serial-explorer, Piccard has become an influential voice as a forward-thinking leader for progress and sustainability.



### **Michael Picker**

#### **President, California Public Utilities Commission**

Picker was first appointed to the CPUC as a commissioner in January 2014 before named its president in December 2014. Picker was senior advisor for renewable energy in the Office of the Governor and served as a member of Sacramento Municipal Utility District Board of Directors. His past positions include principal at Lincoln Crow Strategic Communications, deputy treasurer in the Office of the California State Treasurer, chief of staff to Sacramento Mayor Joe Serna Jr., and deputy assistant for toxic substance control in the Office of the Governor.



### **Ryan Popple**

#### **President and CEO, Proterra**

Before joining Proterra, Popple was a partner at Kleiner Perkins Caufield & Byers. An early employee of Tesla Motors, he was senior director of finance, with a focus on strategic planning, technology cost reduction and corporate finance. He is a board member of the Silicon Valley Leadership Group and a member of the California League of Conservation Voters Green Advisory Council.



### **Michael Schäfer**

#### **Director of Climate and Energy, WWF Germany**

Schäfer has served as the director of climate and energy for WWF Germany since 2017. His previous roles include serving as a freelance project lead with the industry think tank Agora Energiewende, a member of the Berlin City Assembly, and chief of staff to the Chairman of the Green Party Reinhard Bütikofer. He has been a volunteer and a member of the federal board for the Friends of the Earth Deutschland.



### **Dr. Martin Schöpe**

#### **Head of Division, International Cooperation on Energy, German Federal Ministry for Economic Affairs and Energy (BMWi)**

Schöpe has been working in the energy policy field since 2003. Until 2013, his focus was on international cooperation in the field of renewable energy for the Federal Environment Ministry. Since 2014, he has been with the Federal Ministry for Economic Affairs and Energy, where he continues working on international energy policy.



### **Professor Dr. Miranda Schreurs**

#### **Chair of Environmental and Climate Policy, Bavarian School of Public Policy at the Technical University of Munich**

Schreurs, who is a professor of environmental and climate policy, focuses her research on international and comparative climate policy, environmental politics, and low-carbon energy transitions. Her projects include examining the energy transitions in Germany and Japan; climate policies of Europe, the United States, and China; and the politics of high-level radioactive waste disposal. She was an associate professor in the Department of Government and Politics, University of Maryland, College Park and worked as director of the Environmental Policy Research Center and Professor of Comparative Politics at the Freie Universität Berlin.



### **Janea A. Scott**

#### **Commissioner, California Energy Commission**

Scott was appointed in 2013 and reappointed in January 2016 to serve as the Energy Commission's public member. She is the lead commissioner on transportation, implementing recommendations from the Commission's Senate Bill 350 study on the barriers to low-income community participation in renewable energy and energy efficiency, and in 2014 she led the 2014 Integrated Energy Policy Report Update. Scott is chair of the Western Interconnection Regional Advisory Body and is on the public policy board of Veloz.

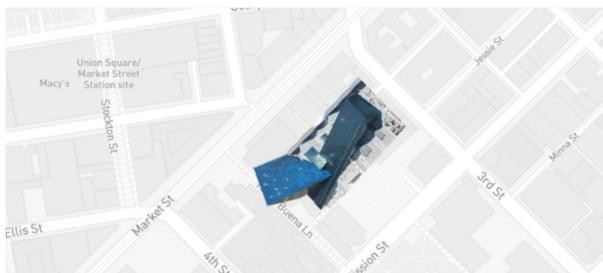


**Robert B. Weisenmiller**  
**Chair, California Energy Commission**

Weisenmiller, who fills the engineering/science position, was appointed as member and chair to the Energy Commission in 2011 and re-appointed in 2015. He has more than 30 years of energy experience, including expertise in electricity and gas markets and California regulatory policies. He is the lead commissioner on the Energy Commission's budget and management, legislative and intergovernmental matters, international relations, military partnerships, energy research, development, demonstration and deployment, climate change, combined heat and power, and electricity and natural gas markets.



## LOCATION



**The Contemporary  
 Jewish Museum**  
 736 Mission Street  
 San Francisco, CA 94103

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